

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012720\
 Data File : BF118724.D
 Acq On : 27 Jan 2020 17:37
 Operator : CG/JU
 Sample : L1010-10 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 27 18:10:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 27 14:24:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	287333	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1013211	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	482682	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	727652	20.00	ng	0.00
76) Chrysene-d12	14.02	240	622899	20.00	ng	0.00
87) Perylene-d12	15.49	264	729001	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	183189	11.84	ng	-0.01
7) Phenol-d6	6.48	99	224927	11.19	ng	-0.01
23) Nitrobenzene-d5	7.41	82	124557	6.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.68	330	46482	8.33	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	273987	9.33	ng	0.00
79) Terphenyl-d14	12.96	244	247927	8.68	ng	0.00

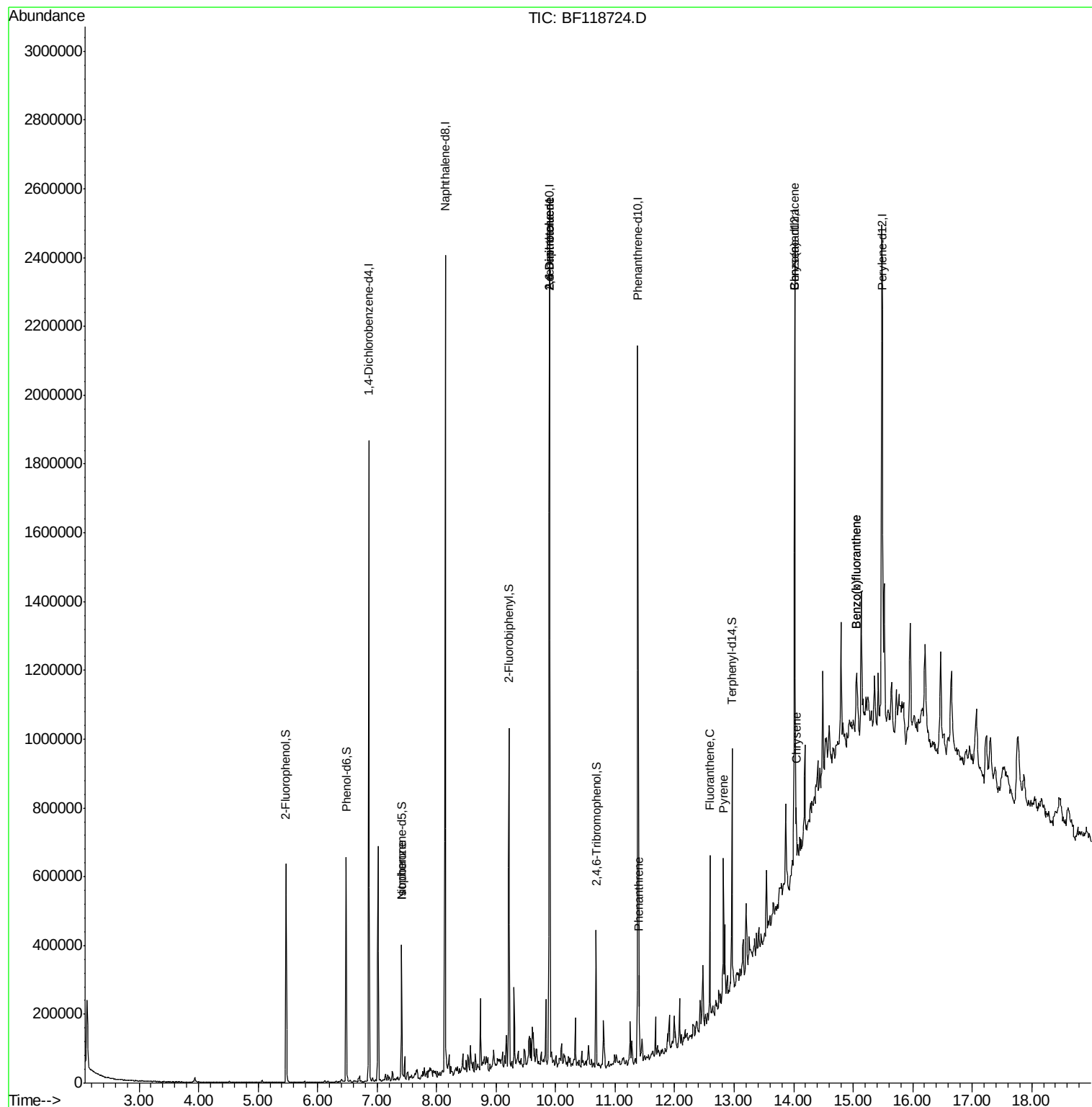
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.41	82	121875	3.689	ng	# 63
51) 2,6-Dinitrotoluene	9.90	165	64006	9.089	ng	# 29
57) 2,4-Dinitrotoluene	9.90	165	64006	7.210	ng	# 30
71) Phenanthrene	11.40	178	84570	2.409	ng	96
75) Fluoranthene	12.59	202	173676	4.691	ng	96
78) Pyrene	12.82	202	160366	3.792	ng	97
81) Benzo(a)anthracene	14.01	228	84160	2.246	ng	# 93
83) Chrysene	14.04	228	76804	2.139	ng	# 93
88) Benzo(b)fluoranthene	15.06	252	129284	2.821	ng	# 85
89) Benzo(k)fluoranthene	15.06	252	129284	3.045	ng	# 86

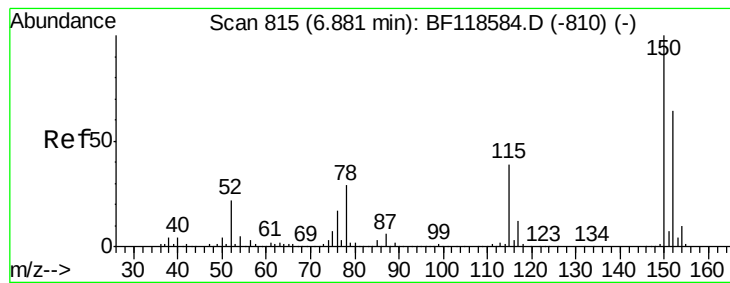
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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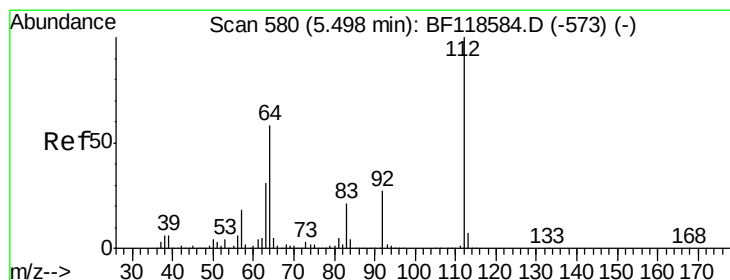
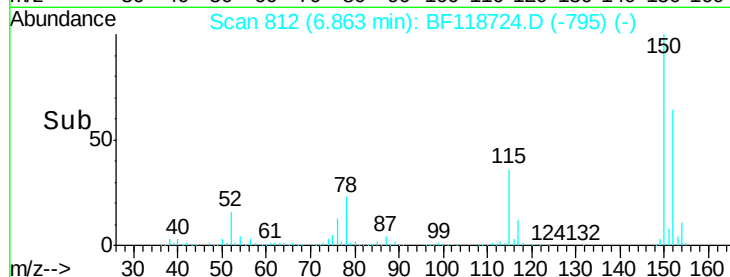
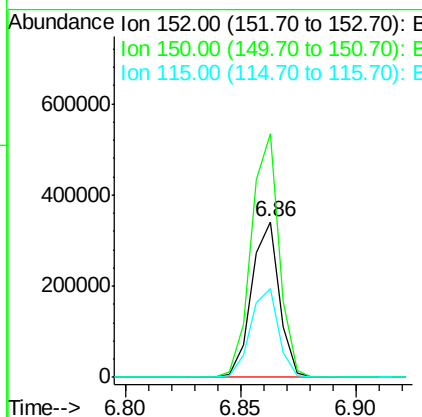
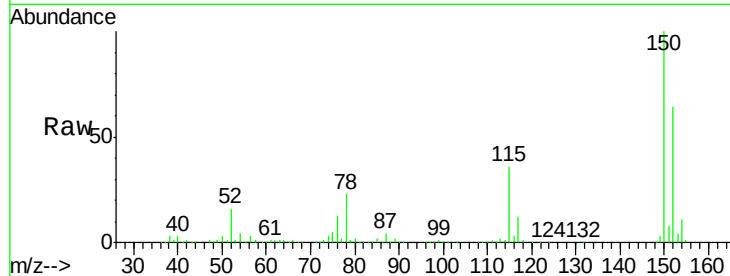


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

Instrument :
BNA_F
ClientSampleId :

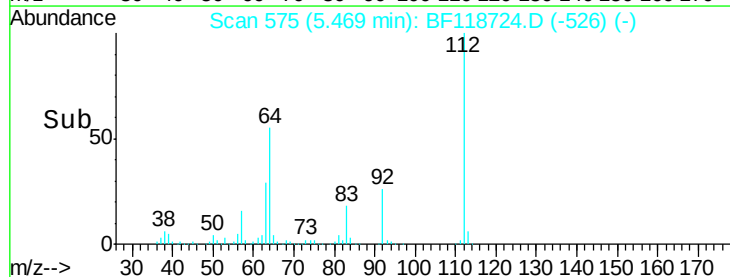
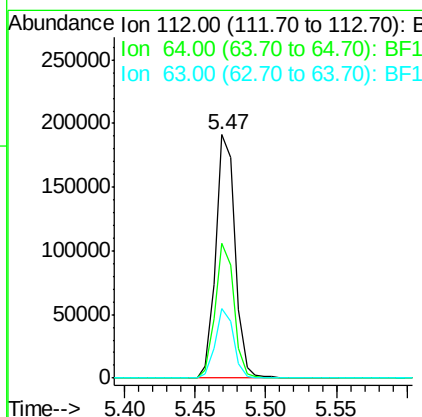
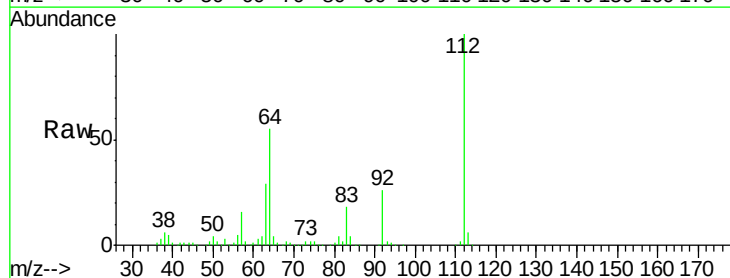
Tot Ion:152 Resp: 287333
Ion Ratio Lower Upper
152 100
150 156.6 123.7 185.5
115 57.0 45.1 67.7

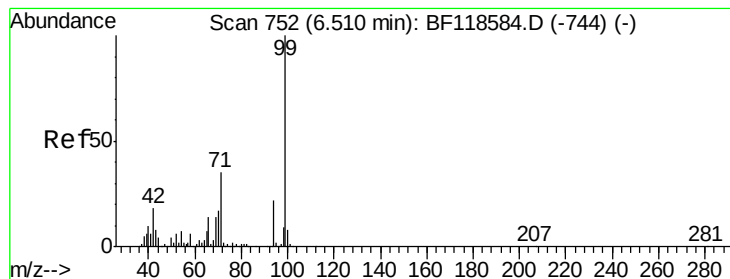


#5

2-Fluorophenol
Concen: 11.841 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

Tgt Ion:112 Resp: 183189
Ion Ratio Lower Upper
112 100
64 55.4 42.4 63.6
63 28.6 21.7 32.5





#7

Phenol-d6

Concen: 11.186 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118724.D

Acq: 27 Jan 2020 17:37

Instrument :

BNA_F

ClientSampleId :

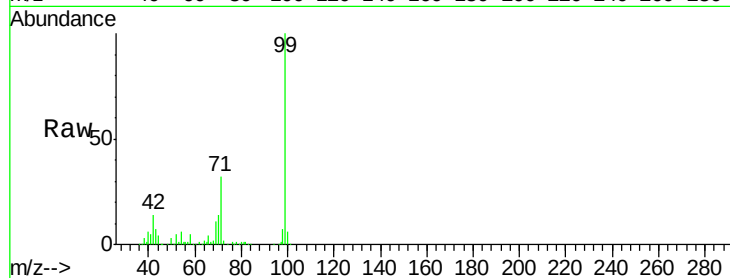
Tot Ion: 99 Resp: 224927

Ion Ratio Lower Upper

99 100

42 13.6 13.1 19.7

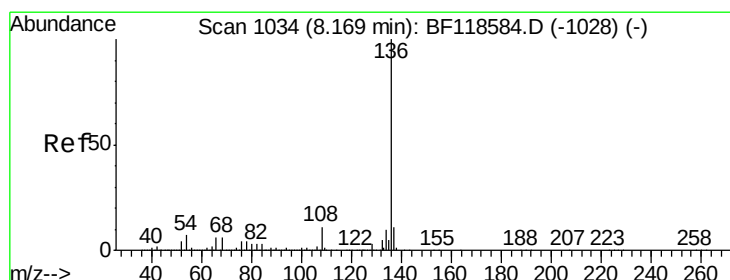
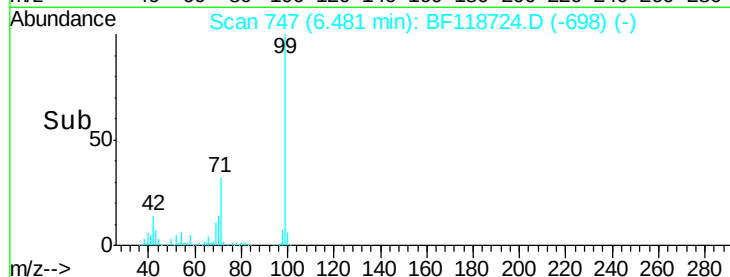
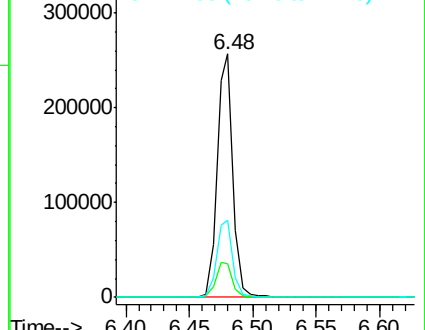
71 31.9 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF118724.D

Acq: 27 Jan 2020 17:37

Tgt Ion: 136 Resp: 1013211

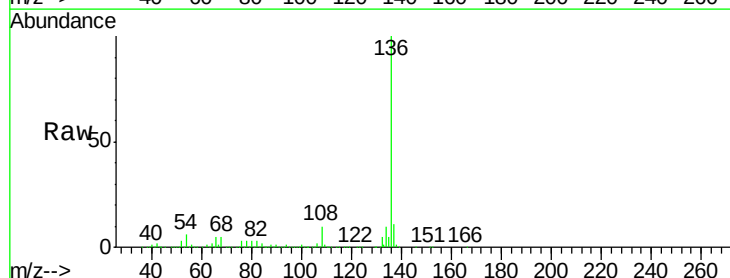
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.3 5.1 7.7

68 5.5 4.3 6.5

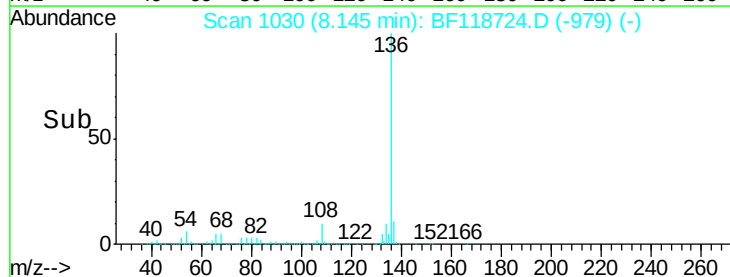
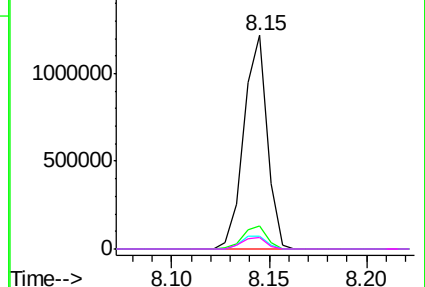


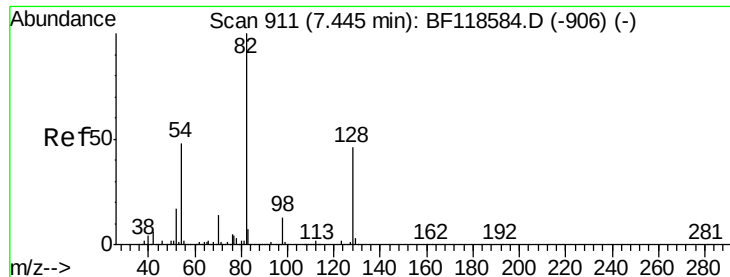
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

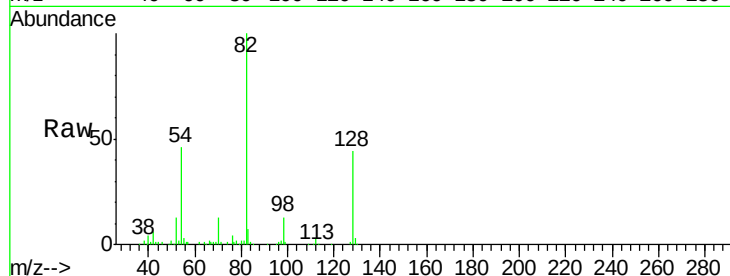




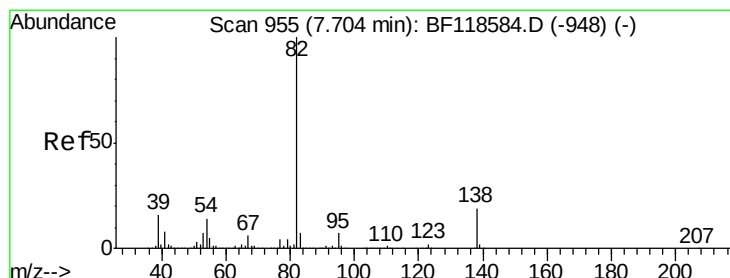
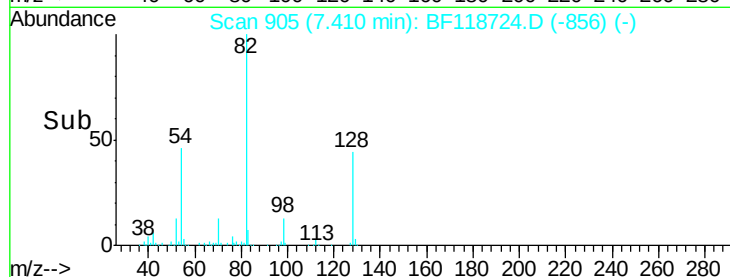
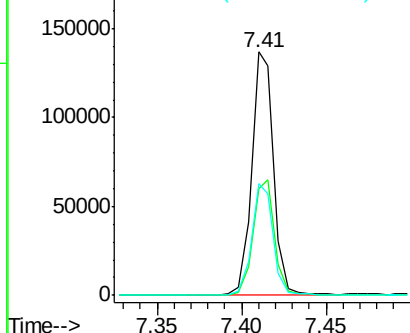
#23
 Nitrobenzene-d5
 Concen: 6.876 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF118724.D
 Acq: 27 Jan 2020 17:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	124557
Ion Ratio	Lower	Upper	
82	100		
128	43.6	38.2	57.2
54	45.9	36.1	54.1

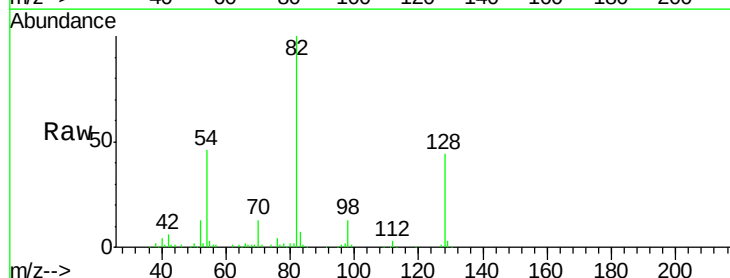


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

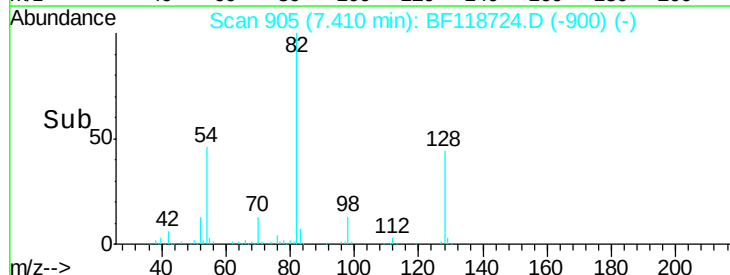
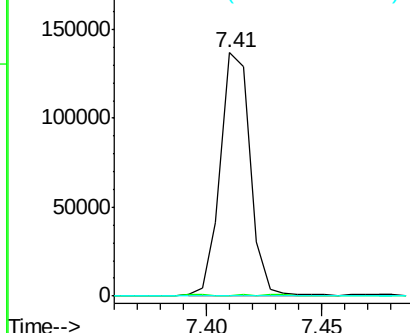


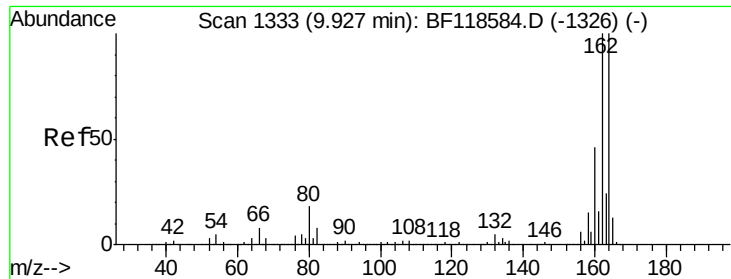
#25
 Isophorone
 Concen: 3.689 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.27 min
 Lab File: BF118724.D
 Acq: 27 Jan 2020 17:37

Tgt Ion	82	Resp	121875
Ion Ratio	Lower	Upper	
82	100		
95	0.3	5.8	8.8#
138	0.0	15.8	23.8#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

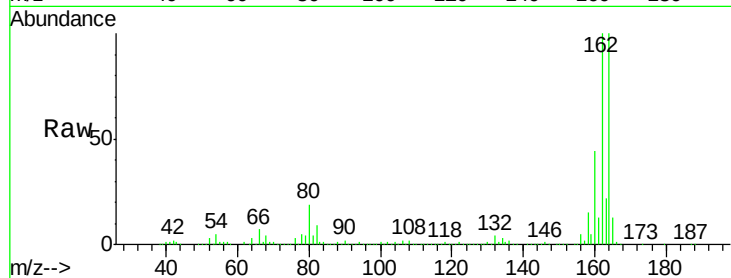




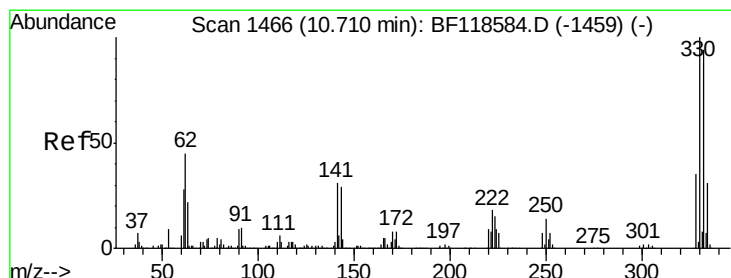
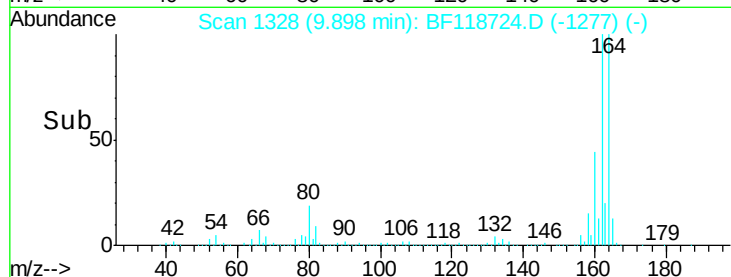
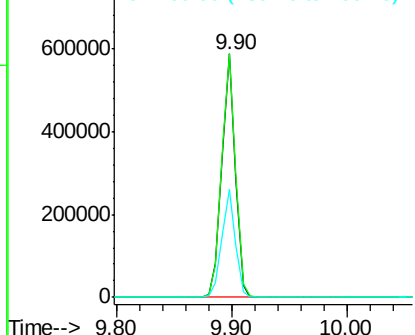
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.8	121.2
160	44.4	35.4	53.0

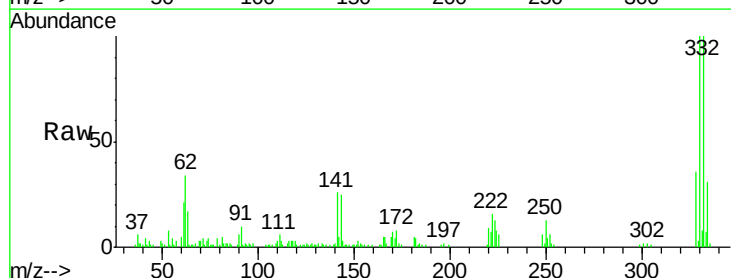


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

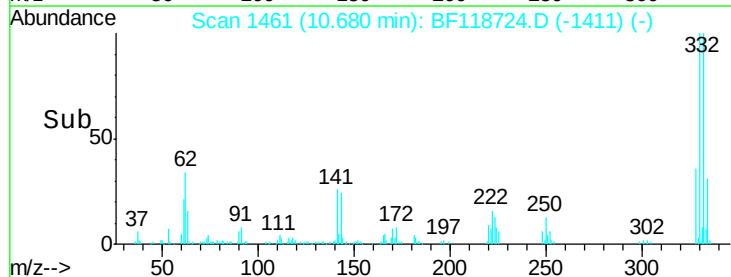
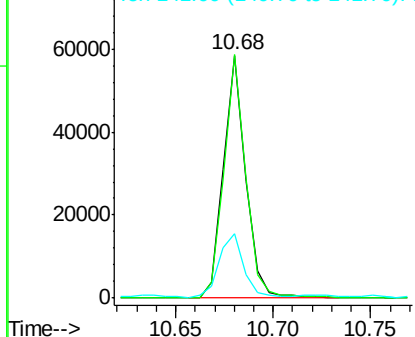


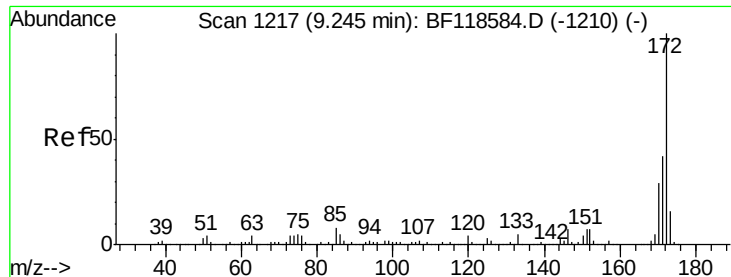
#42
2,4,6-Tribromophenol
Concen: 8.326 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.6	116.4
141	30.2	22.2	33.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

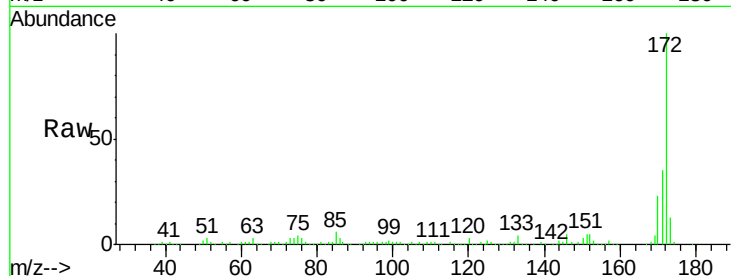




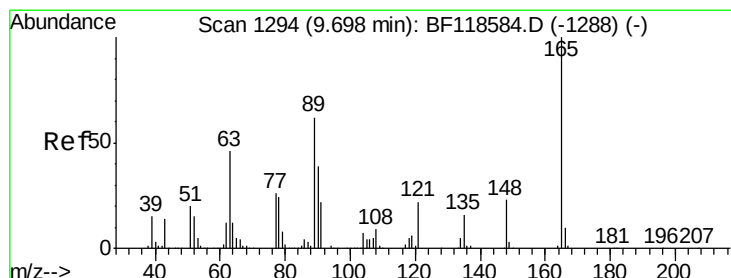
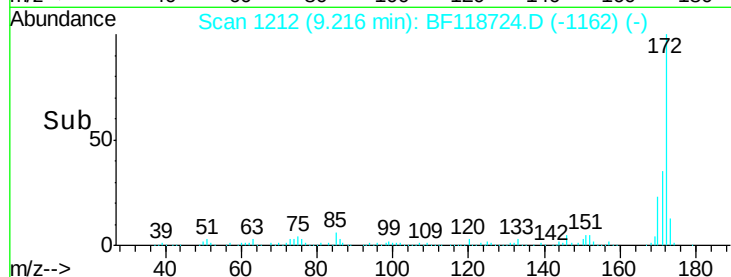
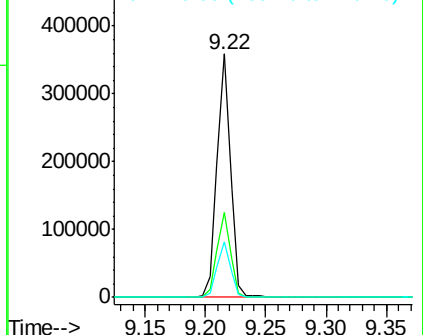
#45
2-Fluorobiphenyl
Concen: 9.330 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	31.0	46.4
170	22.6	20.7	31.1

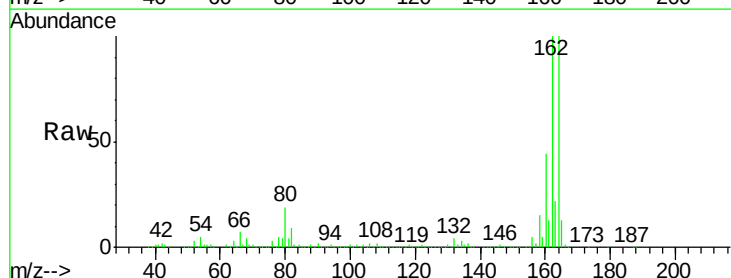


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

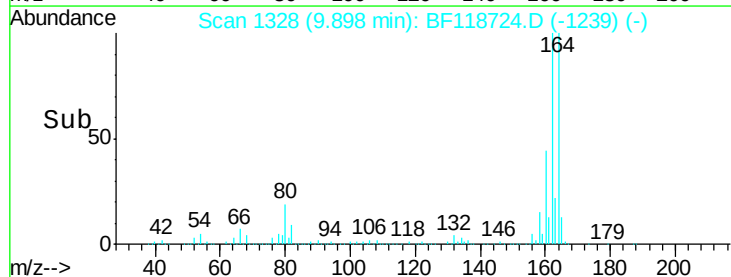
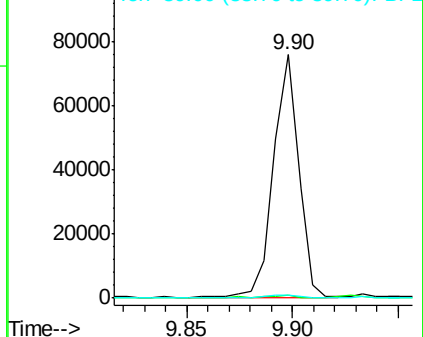


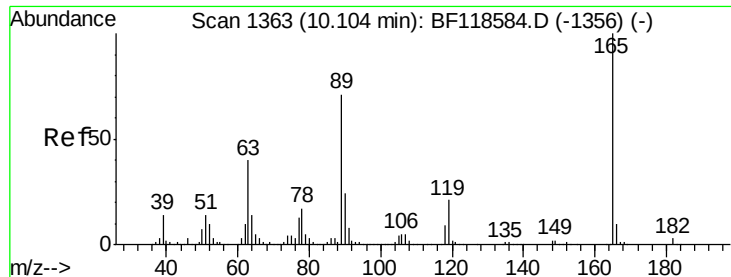
#51
2,6-Dinitrotoluene
Concen: 9.089 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.22 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	39.8	59.6#
89	1.3	41.4	62.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

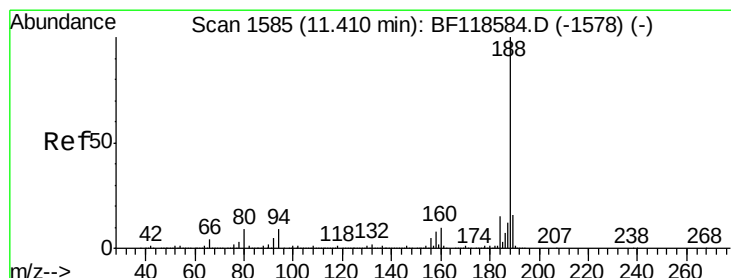
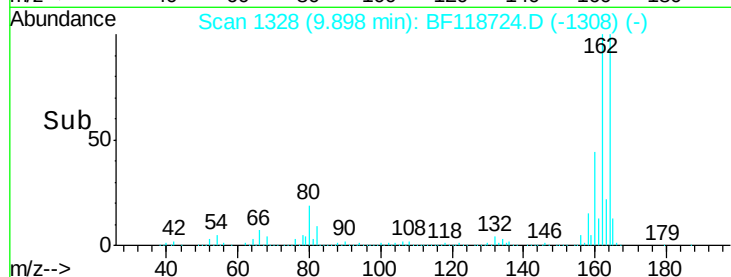
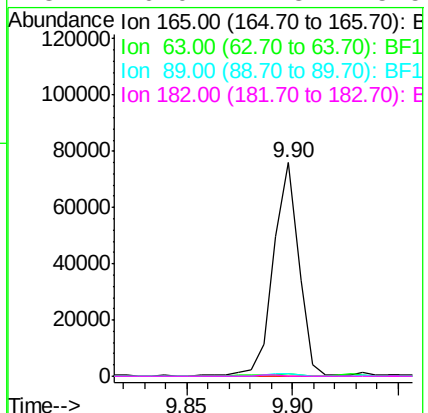
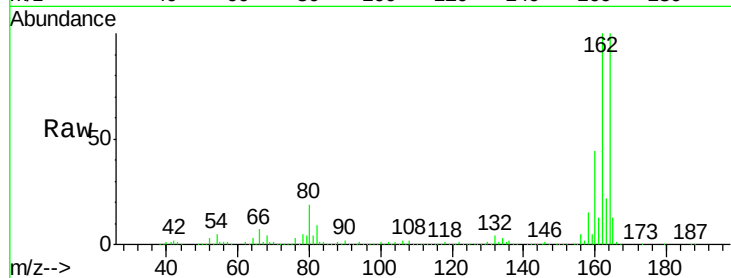




#57
 2,4-Dinitrotoluene
 Concen: 7.210 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.18 min
 Lab File: BF118724.D
 Acq: 27 Jan 2020 17:37

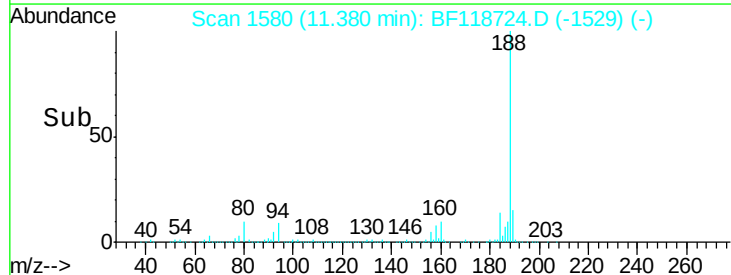
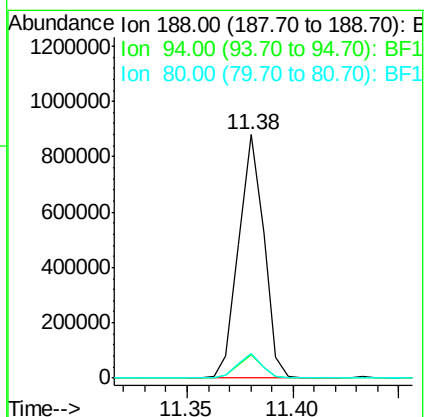
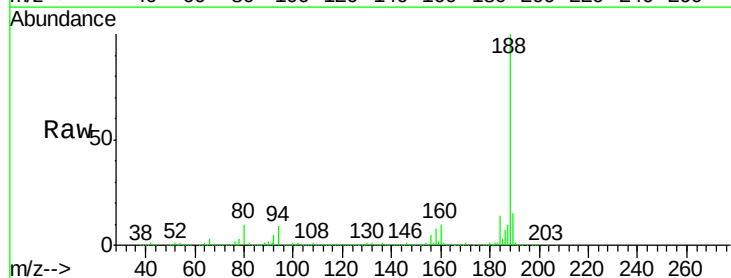
Instrument :
 BNA_F
 ClientSampled :

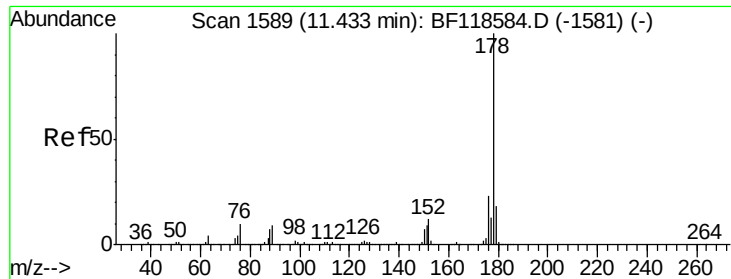
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.5	42.7#
89	1.3	50.4	75.6#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF118724.D
 Acq: 27 Jan 2020 17:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.4	11.2
80	10.0	7.8	11.8

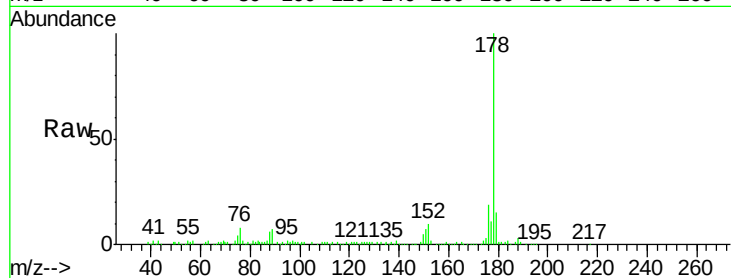




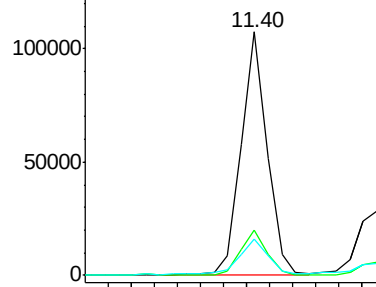
#71
Phenanthrene
Concen: 2.409 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

Instrument :
BNA_F
ClientSampleId :

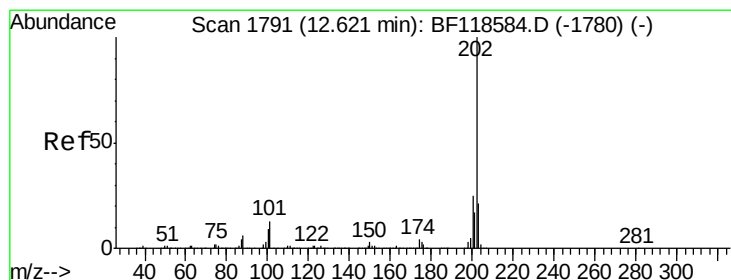
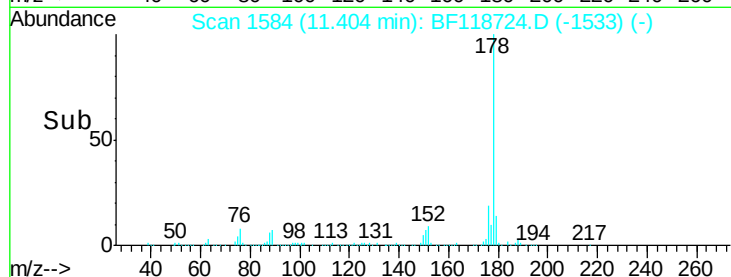
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.5	24.7
179	15.1	13.3	19.9



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

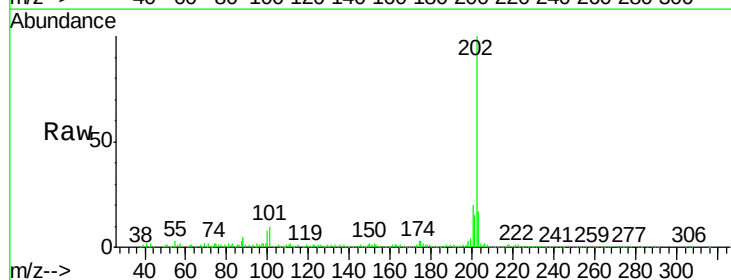


Time-->

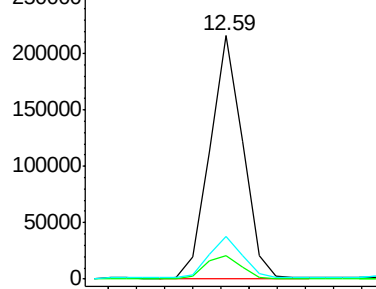


#75
Fluoranthene
Concen: 4.691 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

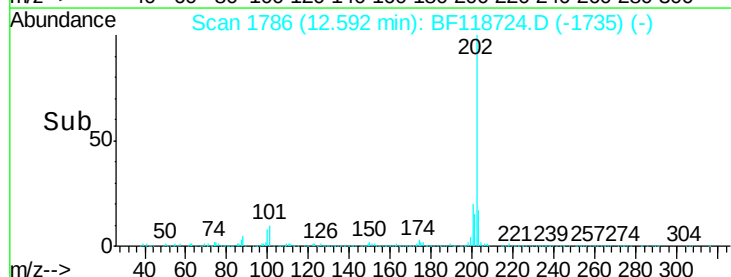
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	32.1
203	17.5	0.0	38.9

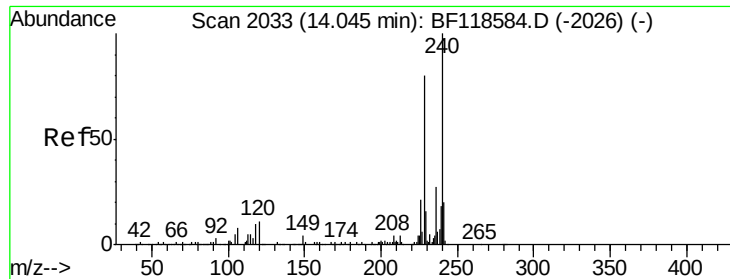


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->

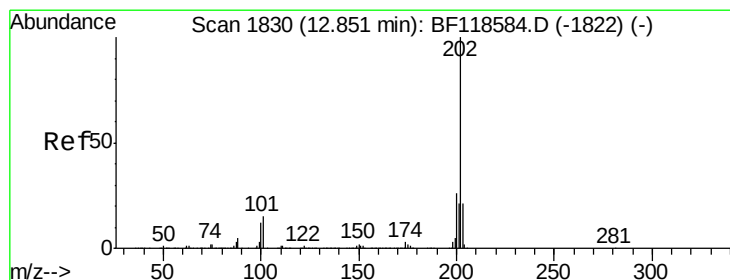
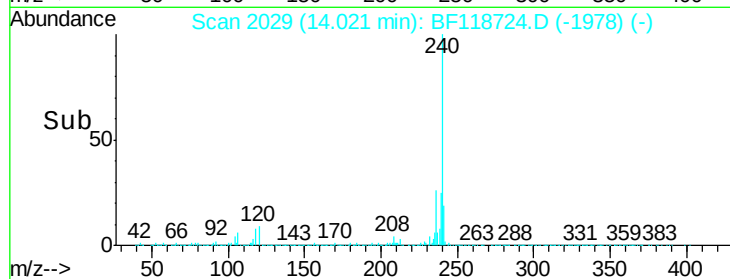
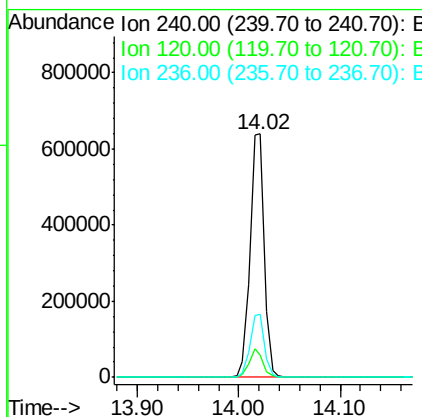
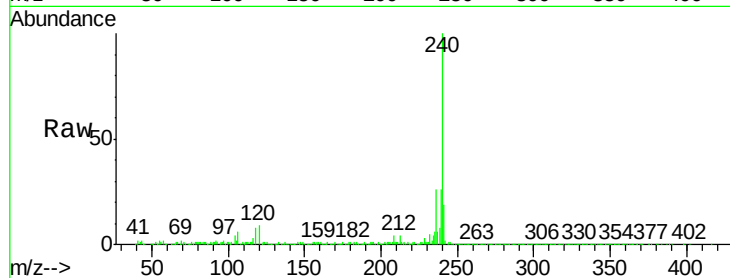




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

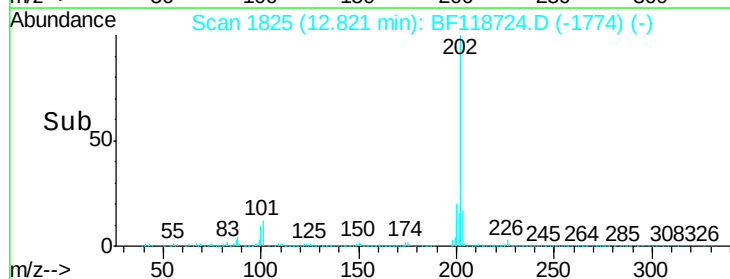
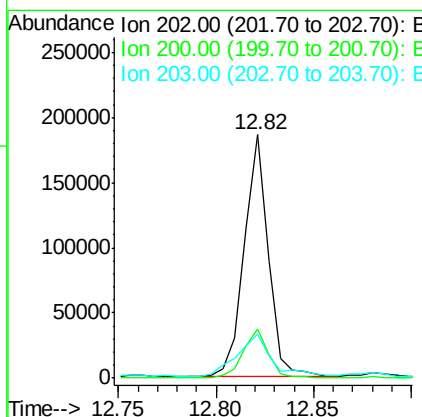
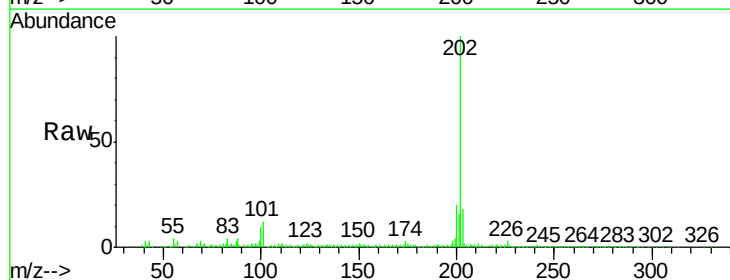
Instrument :
BNA_F
ClientSampleId :

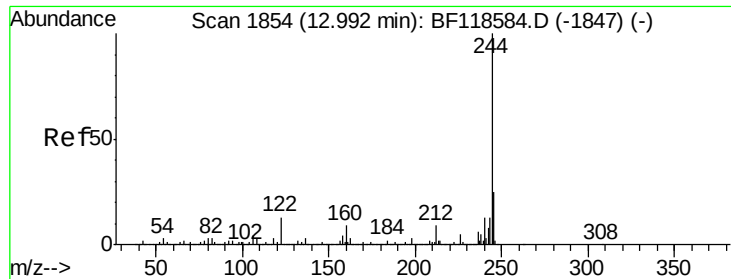
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.6	11.4
236	26.2	21.0	31.4



#78
Pyrene
Concen: 3.792 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	18.1	27.1
203	18.3	15.2	22.8





#79

Terphenyl-d14

Concen: 8.681 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

Lab File: BF118724.D

Acq: 27 Jan 2020 17:37

Instrument :

BNA_F

ClientSampleId :

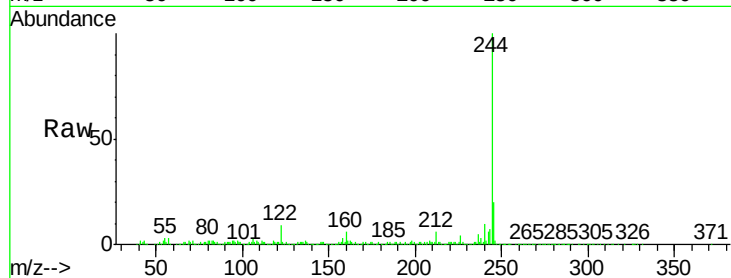
Tot Ion:244 Resp: 247927

Ion Ratio Lower Upper

244 100

212 6.2 6.3 9.5#

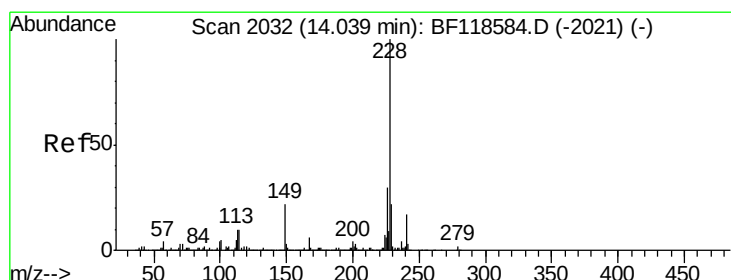
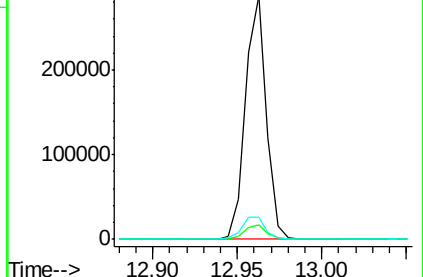
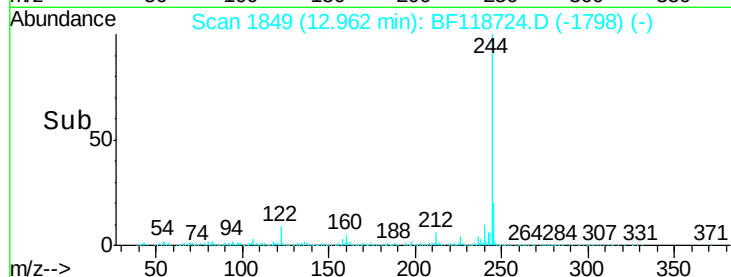
122 9.4 9.2 13.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.246 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

Lab File: BF118724.D

Acq: 27 Jan 2020 17:37

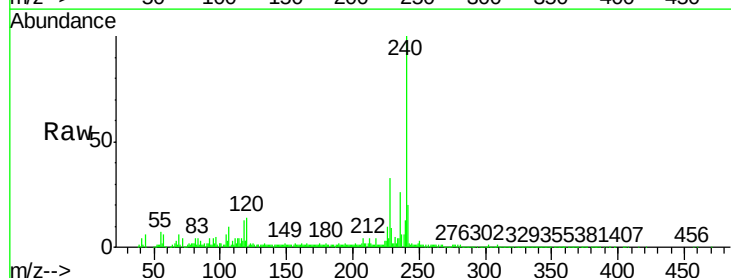
Tgt Ion:228 Resp: 84160

Ion Ratio Lower Upper

228 100

226 30.4 22.6 34.0

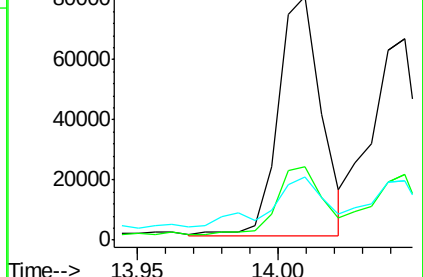
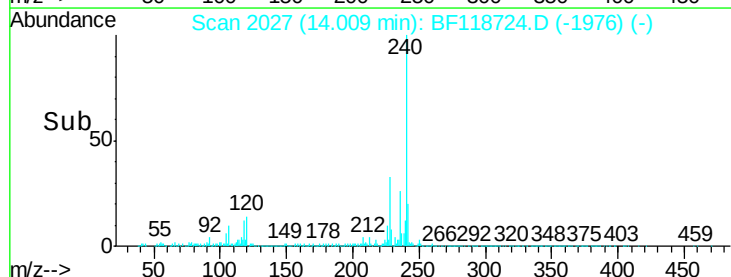
229 26.1 16.6 25.0#

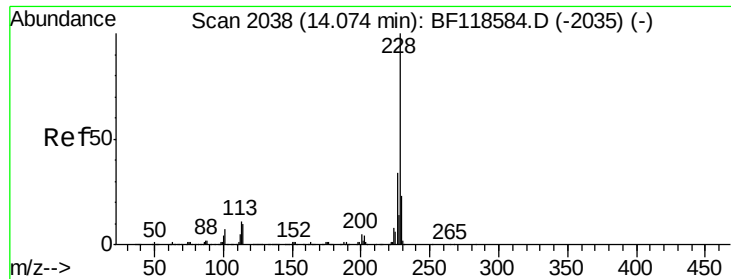


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

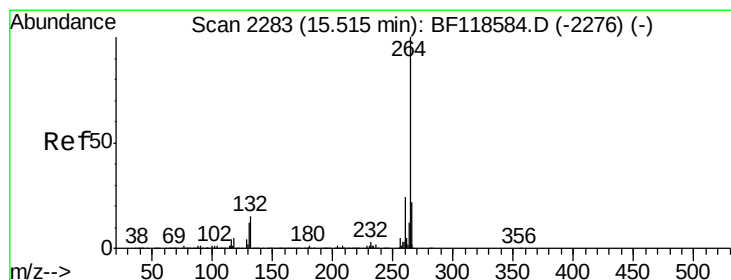
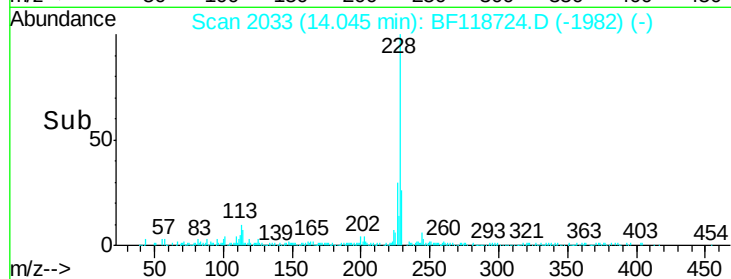
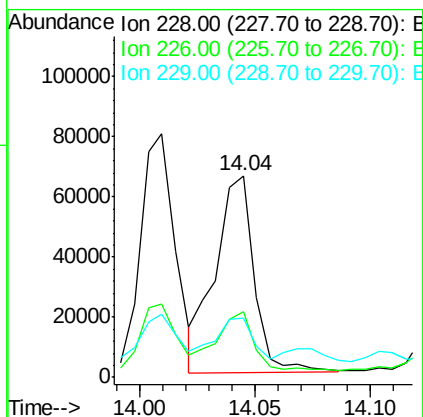
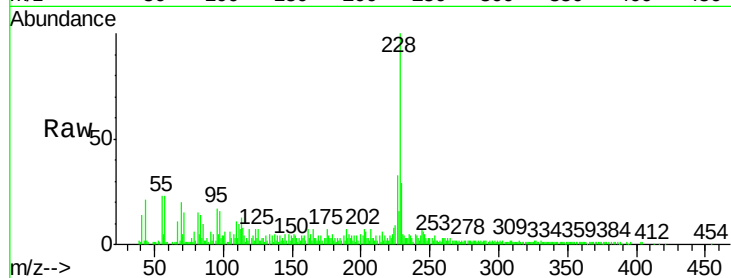




#83
Chrysene
Concen: 2.139 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

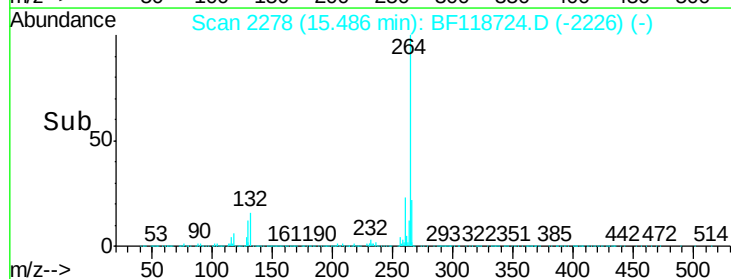
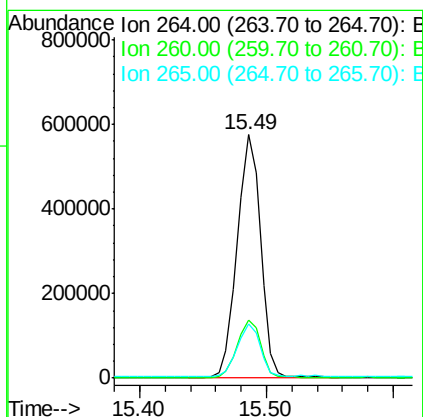
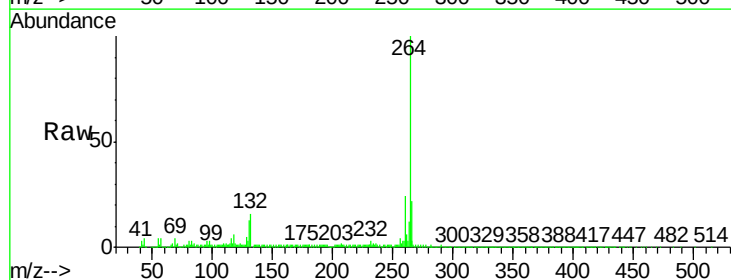
Instrument :
BNA_F
ClientSampleId :

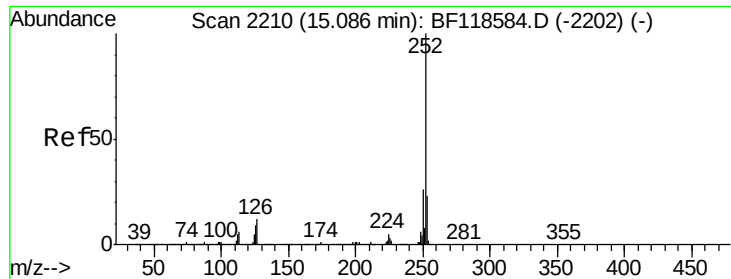
Tot Ion:228 Resp: 76804
Ion Ratio Lower Upper
228 100
226 32.6 25.6 38.4
229 29.3 17.1 25.7#



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

Tgt Ion:264 Resp: 729001
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 22.3 17.0 25.6

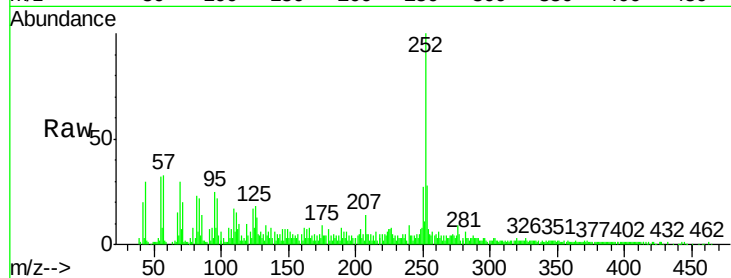




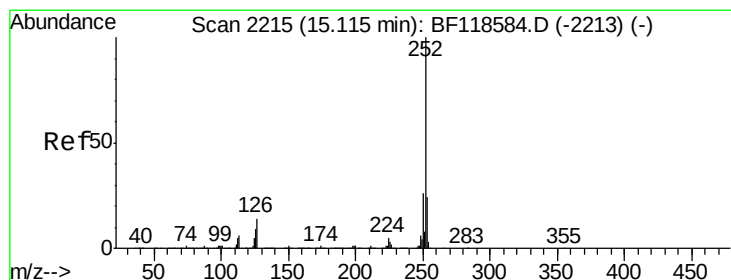
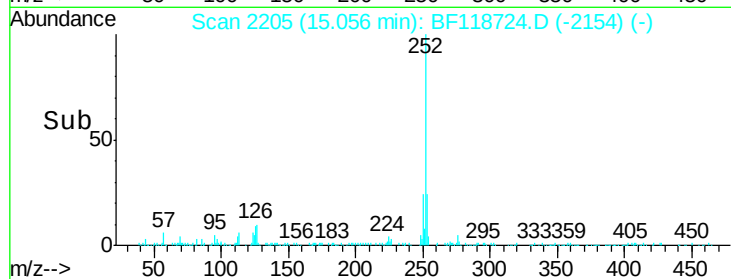
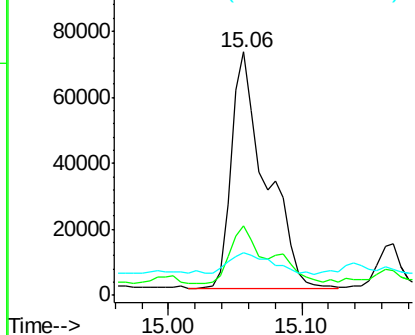
#88
Benzo(b)fluoranthene
Concen: 2.821 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.2	27.4#
125	17.7	7.7	11.5#

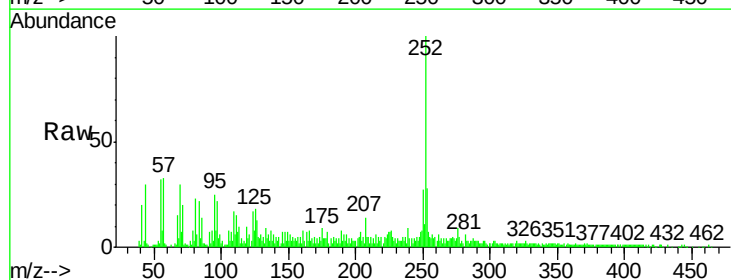


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.045 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.03 min
Lab File: BF118724.D
Acq: 27 Jan 2020 17:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.4	27.6#
125	17.7	8.1	12.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

